

*INTEGRATED RESOURCE TIMBER CONTRACT PROSPECTUS - Supplemental Information***Compartment 52 Raven Station RCW Habitat Enhancement Stewardship****Sam Houston National Forest**

**ADDITIONAL INFORMATION ON CRUISING AND DESIGNATION OF TIMBER:** This contract contains ten (10) Payment Units with timber designated for cutting. In Payment Units 1 - 8 trees designated to be cut and removed are Cut Tree Marked (CTM) and are designated with paint marks at eye about eye level and on the stump. Sawtimber trees have two stump spots and small roundwood trees have one stump spot. In Payment Units 9 and 10 timber to be removed will be designated by spacing (DxS) as listed in the contract specifications. Potential purchasers should pay special attention to the orange painted unit boundaries. **Unless designated by the Forest Service, trees will not be removed outside these designated boundaries.**

**Cut Trees** in this sale area are designated as indicated below:

<b><u>Type</u></b>	<b><u>Markings</u></b>	<b><u>Payment Unit(s)</u></b>
Cut Trees	Blue Paint	1, 2, 5, 7 & 8
Cut Trees	Yellow Paint	3, 4, & 6

**DxS** in this sale area are designated as indicated below:

<b><u>Type</u></b>	<b><u>Markings</u></b>	<b><u>Payment Unit(s)</u></b>
Designation by Spacing	N/A	9 & 10

**Cut Tree Marking (CTM):** Cut Trees in Payment Units 1 - 8 were cruised and volumes estimated utilizing the Sample Tree Measurement method. Sampling intervals for the various products/diameter classes are listed under the Volume and Sampling information table. Additionally, there are some ORANGE banded hardwoods to be left undamaged.

**Designation by Spacing (DxS):** In Payment Units 9 & 10, included timber is designated based on spacing. Trees to be **left** should be high quality pines with an average spacing of approximately 15ft and a Maximum spacing of approximately 19ft between residual timber. All other live pine trees meeting minimum merchantability specifications listed in AT2 are included timber and to be removed.

Payment Units 9 and 10 were cruised with a 10 BAF prism using the PCMTRE method. Variable radius plots were taken and volume estimated on approximately 71 acres.

**VOLUME AND SAMPLING INFORMATION:** Timber volumes are based on cubic foot tree measurement rule. Scribner board foot volumes are listed for informational purposes only so bidders can compare with cubic volume estimates. Sawtimber and pulpwood/topwood volume were determined from tree measurement volume equations for the Sam Houston National Forest. Pine sawtimber on this sale was not graded. The pine sawtimber volume is approximately 68% Loblolly pine and 32% Shortleaf pine.

**VOLUME AND SAMPLING INFORMATION:** The following methods were used to estimate timber volume and data:

<b>Payment Units</b>	<b>Species/Product</b>	<b><u>Sample Tree Measurement</u></b>		<b><u>PCMTRE</u></b>
		<b>DBH Range Sampled</b>	<b>Sample Interval</b>	<b>DBH Range</b>
9 and 10	Pine Pulpwood	5.0" – 10.9"	Approximately 1 randomly located plot per 2 acres	N/A
9 and 10	Pine Sawtimber	11.0"+	Approximately 1 randomly located plot per 2 acres	N/A
1 through 8	Pine Pulpwood	5.0" – 10.9"	1 in 60	N/A
1 through 8	Pine Sawtimber	11.0"+	See below	N/A
1 through 8	Hardwood Pulpwood	6.0" – 11.9"	1 in 130	N/A
1 through 8	Hardwood Sawtimber	12.0"+	See below	N/A

**Access to all of the Sale Units is behind combination locked gates on NFSRs 233 A & 233 D. Please contact the Sam Houston Ranger district at (936) 344-6205 for combination information. Purchasers should lock the gates behind them while entering or exiting this area.**

*INTEGRATED RESOURCE TIMBER CONTRACT PROSPECTUS - Supplemental Information*  
**Compartment 52 Raven Station RCW Habitat Enhancement Stewardship**  
**Sam Houston National Forest**

**NORMAL OPERATING SEASON:** The normal operating seasons for all Payment Units are as follows:

**January 1 through December 31**

Unless otherwise agreed, operations will not be permitted outside the normal operating seasons.

**RELEASE OF PAYMENT UNITS FOR CUTTING:** Purchaser must get a written release from the Forest Service before entering any payment unit. Before a payment unit can be accepted as completed, cutting and all other contract obligations must be completed. Unless otherwise agreed, no more than two (2) payment units may be operated at one time.

**USE OF ROADS:** Trucks used in hauling timber from this sale over roads under Forest Service jurisdiction are subject to State and County load, weight, length, height and width limitations. Any exceptions to these limitations are posted by individual road or road segment. Prospective bidders are urged to check out any questions on the haul route with the District Ranger before submitting bids.

**PRE-HAUL ROAD MAINTENANCE REQUIREMENTS:** As part of this timber sale, pre-haul road maintenance road work that is required with an estimated cost of **\$13,462.00**. The cost of completing this work is borne by the purchaser.

**ROAD MAINTENANCE:** Road maintenance requirements are estimated for a proposed haul route. Any change from the proposed haul route may necessitate a change in the roads to be maintained or in the amount of required deposit for road maintenance. The estimated cost of the road maintenance deposit has been allowed for in the appraisal. The Purchaser shall maintain the road surface, drainage dips and ditches to assure adequate drainage. See sample contract provisions KT-CT.3, KT-FT.3.1, KT-FT.3.2, KT-GT.2.2.3, and KT-GT.3.2.

**The Purchaser will be required to make a deposit of \$47/CCF for road maintenance. This is for maintenance of NFSR 233. This deposit is in addition to bid rates and shall be made in advance of cutting.**

**TEMPORARY ROADS:** The location and clearing widths of all temporary roads and landings shall be approved by the Forest Service before construction or use is started. The estimated quantity of timber in this sale does not include timber within the clearing limits of Temporary Roads. Any additional timber requiring removal will be designated by the Forest Service and paid for at contract rates prior to cutting.

The Purchaser will install and remove culverts on temporary roads where required for logging access. The Forest Service estimates one (1) 18" culvert will be required to be used at multiple locations.

Purchaser shall maintain all erosion control and water diversion structures such as waterbars and broad-based dips in a functional condition during operations. Purchaser shall reshape road surface and close all Temporary Roads prior to prolonged periods of non-use or when use is completed. Outside berms shall be removed by pulling the material back onto the road surface. Prior to final road closure, unless otherwise agreed, the road surface shall be ripped or scarified to reduce runoff and aid in revegetation.

**EQUIPMENT CLEANING:** If equipment has been used within areas containing Cogon Grass or other invasive species of concern, cleaning of Off-Road equipment will be required prior to moving on the Sale Area. Off-Road equipment includes all logging and construction equipment, **EXCEPT** for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars and similar vehicles. **See contract provision GT.3.5 for additional information.**

**EROSION CONTROL:** Purchaser will install waterbars as logging in a payment unit and use of roads is completed. At that time, temporary and skid roads will be bladed to pull outside berms, reshape road surface to assure adequate surface drainage, construct waterbars where designated, and install barricades to block temporary roads to normal vehicular traffic where designated.

**The Forest Service will not agree to perform the waterbarring and road blocking work for the purchaser.**

The purchaser shall also install temporary waterbars if logging operations are stopped for prolonged periods prior to completing a payment unit. The Forest Service will not perform such temporary waterbarring work.

Where waterbars or similar measures alone won't provide satisfactory erosion control, purchaser shall vegetate areas where soil disturbance will result in soil losses from erosion. Areas specified by the Forest Service will be fertilized with 300 pounds of 13-13-13 commercial fertilizer (or equivalent) per acre and seeded in accordance with the sample contract provision KT-GT.6.0.1 specifications.

**The Forest Service will not agree to perform the seeding and fertilizing work.**

*INTEGRATED RESOURCE TIMBER CONTRACT PROSPECTUS - Supplemental Information*  
**Compartment 52 Raven Station RCW Habitat Enhancement Stewardship**  
**Sam Houston National Forest**

**SLASH DISPOSAL:** Purchaser will be required to remove all logging slash and other debris resulting from logging operations off road surfaces, shoulders, draining ditches, and out of protected stream courses shown on the Sale Area Map.

See contract Special Provision KT-GT.7 for additional information.

**DIRECTIONAL FELLING:** In areas shown on Contract Area Map, Purchaser shall fell trees away from all Reserve and residual trees, improvements, roads, and protected streamcourses unless otherwise agreed.

**PROTECTION OF STREAMCOURSES:** Culverts or temporary bridges will be required where temporary and skid roads cross protected streamcourses shown on Contract Area Map, unless otherwise agreed. The location of these crossings shall be approved in advance by the Forest Service. Purchaser shall furnish and install such culverts or temporary bridges and shall remove them upon completion of operations.

Unless otherwise agreed, all vehicles are prohibited outside the marked Payment unit boundaries along either side of protected streamcourses except as necessary to construct or remove stream crossing structures.

**PROTECTION OF IMPROVEMENTS:** The following improvements are located within or adjacent to the sale area:

- Forest Service gates on NFSRs 233 A, 226, and 233 D

Purchaser shall protect these improvements during operations and shall be responsible for prompt repair of any damage caused to them. Operations shall not begin until all necessary arrangements to protect these improvements and prevent damage have been made. Purchaser shall contact utility companies in advance of constructing crossings to ensure necessary arrangements to protect improvements.

**THREATENED, ENDANGERED, OR SENSITIVE SPECIES HABITAT INFORMATION:** This sale has known active Red Cockaded Woodpecker (RCW) clusters within Payment Unit 6 and also along NFSRs 233 as listed on the Contract Area Map. All RCW Cavity Trees have a wide band on WHITE paint around them. The construction of new log landings and Temporary Roads will **not** be allowed in these portions of sale units; the use of existing landings and temp roads must be agreed to prior to use.

If during logging operations, a new cavity tree is found or RCW activity is observed in existing ones, logging operations in the adjacent area shall cease and the Forest Service shall be notified.

With Forest Service approval, logging, road construction or maintenance, and erosion control operations may occur outside normal operating seasons when conditions permit operations without undue disturbance of these species or damage to forest resources.

**PRE-WORK CONFERENCE:** A pre-work conference will be held with the designated representatives before Purchaser begins operations. The purpose of the conference is to ensure all designated representatives have a clear understanding of the contract requirements and obligations. The time and place for conference will be arranged by Forest Service.